New Claims

1. Method for measuring radio-interference levels within a given frequency range, wherein the frequency range is adjusted in a pre-measurement; wherein a measuring level of the signal to be measured is detected at each measuring frequency and compared with a limit value; wherein the level measured at the respective measuring frequency is marked as the radio-interference level, if the limit value is exceeded by the measuring level; and wherein each marked radio-interference level is measured more accurately with regard to its respective runtime performance in a post-measurement,
characterised in that
the for detecting of a frequency drift mid-frequency of the measuring-frequency range of the post-measurement, which is repeated cyclically in alternation with the pre-measurement, is tracked, for each marked radio-interference level, to the mean frequency of the changing radio-interference level just determined in the preceding pre-measurement.

2. Method for measuring radio-interference levels according to claim 1,
characterised in that
the measuring level of each radio-interference level, which varies relative to the preceding pre-

measurement with regard to its frequency and/or its measuring level, is determined in each pre-measurement, which is repeated cyclically in alternation with the post-measurement.

3. Method for measuring radio-interference levels according to claim 1 or 2,
characterised in that
the frequency range in the pre-measurement is adjusted within a given frequency grid.

4. Method for measuring radio-interference levels according to any one of claims 1 to 3,
characterised in that
the measuring level of the respective radio-interference level is measured in a second measuring runtime of the post-measurement several times repeatedly by comparison with a first measuring runtime of the pre-measurement.

5. Method for measuring radio-interference levels according to claim 4,
characterised in that
a level evaluated according to one of several variable evaluation methods is determined from the measuring levels for each marked radio-interference level sampled repeatedly in the post-measurement.

6. Device for measuring radio-interference levels according to any one of claims 1 to 4,
wherein the device comprises a functional spectrum-analyser unit (15) for identifying radio-interference levels and determining the mean

frequency of the identified radio-interference levels within the context of a pre-measurement, a functional measurement-receiver unit (16) for the multiple sampling of the measuring level of the radio-interference level identified by the functional spectrum-analyser unit (15) and for statistical evaluation of the sampled measuring levels within the context of a post-measurement and a micro-computer, which is prepared to control the device in a manner that all features of claim 1 are performed.